

Fig. 3

1 gaattccggg tgatttcaact cccggctgtc caggcttgctc ctgctacccc accagcctt
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121 caggcctcag gactcaaacac agctttttccc tccaaccctg tttctctccc tcaacggact
181 cagctttctg aagccctcc cagttctagt tctatctttt tccctgcatcc tgtctggaag
241 ttagaaggaa acagaccaca gacctggtcc ccaaaagaaa tgagggcaat aggttttgag
301 gggcatgGGG Acgggggttca gcaGGGAgga tgGGGAggtg gaagaaaaccg agacagaagg
361 agacccccct cgggaatcgg aatcttccaa atccccgccc agctcatggg tttctccacc aaggaaagttt
421 gtgtgtcccc actacggctt cctccagatg tctctctgcc ctcagcaagg acagcagagg accagctaag
481 tgcaggggccc actacggctt cctccagatg tctctctgcc ctcagcaagg acagcagagg accagctaag
541 tccgctggtt gaatgattct tccccgccc cagacgctcc aaaaaaacc catactgacc cagcgcttca cctctctcc
601 ttgttggcac accagccag gcaactacag ggcagggttct cactgaaagc gggtccaggc ggtgcttggt cctcagcctc
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1201 tgcactactaa gtgtgtatgg gagacagat atagggtgtc tgccacacag gaatggagag ctgttctccc ttttaaggggtg actccctcga
1261 aataagatat ggagacagat gtgggtgtg agaaagagcG GGAaataatga tggaacacag aaaaaaccag acacctcagg
1321 atgaataaag atgggtgagac agaaagagcG GGAaataatga tggaacacag aaaaaaccag acacctcagg
1381 ggagataaagg agagaagaag atagggtgtc tggaacacag gaatggagag ctgttctccc ttttaaggggtg actccctcga
1441 tgttgaatgc tggaaagtgagg caggccagac cccaacagtt cctctctctc
1501 gctaagagcg caggccagac cccaacagtt cctctctctc
1561 tgttaaccat tctccttctc

Fig. 4A

1621 ggcccaggca gtcagtaagt gtctccaaac ctctttccta attctgggtt tgggtttggg
1681 ggtagggtta gtaccggtat ggaagcagtg gGGGAaattt aaagttttgg tcttgGGGA
1741 gtaggtatgg aggtgaaagt aggggggtat tttctaggaa gtttaagggt ctcagctttt
1801 tcttttctct ctcctcttca ggtatcatctt ctogaacccc gtaggacaag cctgtagccc
1861 atgttgtagg taagagctct gaggatgtgt gtaggaaactt ctggaacccc gtaggacaag cctgtagccc
1921 ttgaagcccc gctgatggtg ggcagaactt ggcagaactt gtaggaaactt tgcctgagct
1981 caaGGGAagg gtggaggaaac agcacaggcc ttagtGGGAt actcagaacg tcatggcccag
2041 gtGGGAtgtG GGAtgacaga cagagaggac aggaaccgga tgtggggtgg gcagagctcg
2101 agggccaggga tgtggagagt gaaccgacat ggcacacatg actctcctct ccctctctcc
2161 ctccctccag caaacctca agctgagggg cagctccagt ggtgaaaccc cggggccaat
2221 gccctcctgg ccaatggcgt ggagctgaga gataaccagc tggtggtgcc atcagagggc
2281 ctgtacctca tctactcca ggtcctcttc aggggccaag gctgccccct caacctctc
2341 ctccctcacc acaccatcag ccgcatcgcc gtctcctacc agaccaaggt caacctctc
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2461 tatgagccca tctatctGGG Aggggtcttc cagctggaga aggtgaccg actcagcgt
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2641 tttattacc cctccttcag gaaccaagc ttagaacttt aagcaacaag accaccactt cgaacacctg
2701 cttaggggtcg gaaccaagc ttagaacttt aagcaacaag accaccactt cgaacacctg
2761 gattcaggaa tgtgtggcct gcacagtga gctgctggcaa ccactaagaa ttcaaacctg
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2881 aGGGAgcctt tggttctggc cagaatgctg caggacttga gaagacctca cctagaaat
2941 gacacaagt gaccttaggc ctctcctctct ccagatgttt ccagacttcc ttgagacacg
3001 gagccccagc ctccccatgg agccagctcc ctctatttat gttgacctt gtgattatt
3061 attatttatt tattatttat ttatttacag atgaatgtat ttatttGGGA gaccggggta
3121 tcttgGGGA cccaatgtag gagctgcctt ggctcagaca tgttttccgt gaaaacggag
3181 ctgaacaata ggctgttccc atgtagcccc ctggcctctg tgccttcttt tgattatgtt

Fig. 4B

3241 ttttaaaata tttatctgat taagttgtct aaacaatgct gatttggtga ccaactgtca
3301 ctcatgctg agcctctgct cccagGGGA gttgtgtctg taatcgccct actattcagt
3361 ggcgagaaat aaagtctgct tagaaaagaa acatggtctc ttcttggaa ttaattctgc
3421 atctgccctct tcttgtgggt GGAagaagc tccctaagtc ctctctccac aggccttaag
3481 atccctcgga ccagtccca tccttagact cctagggccc tggagaccct acataaaca
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3601 ctcaggggcat GGAatttcc aactctGGGA attc

Fig. 4C

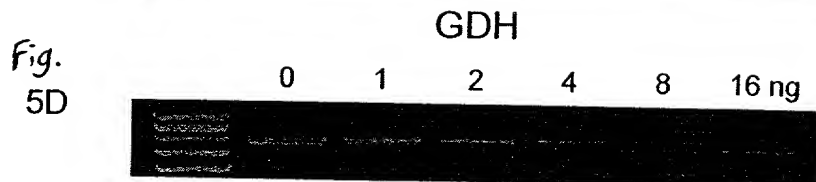
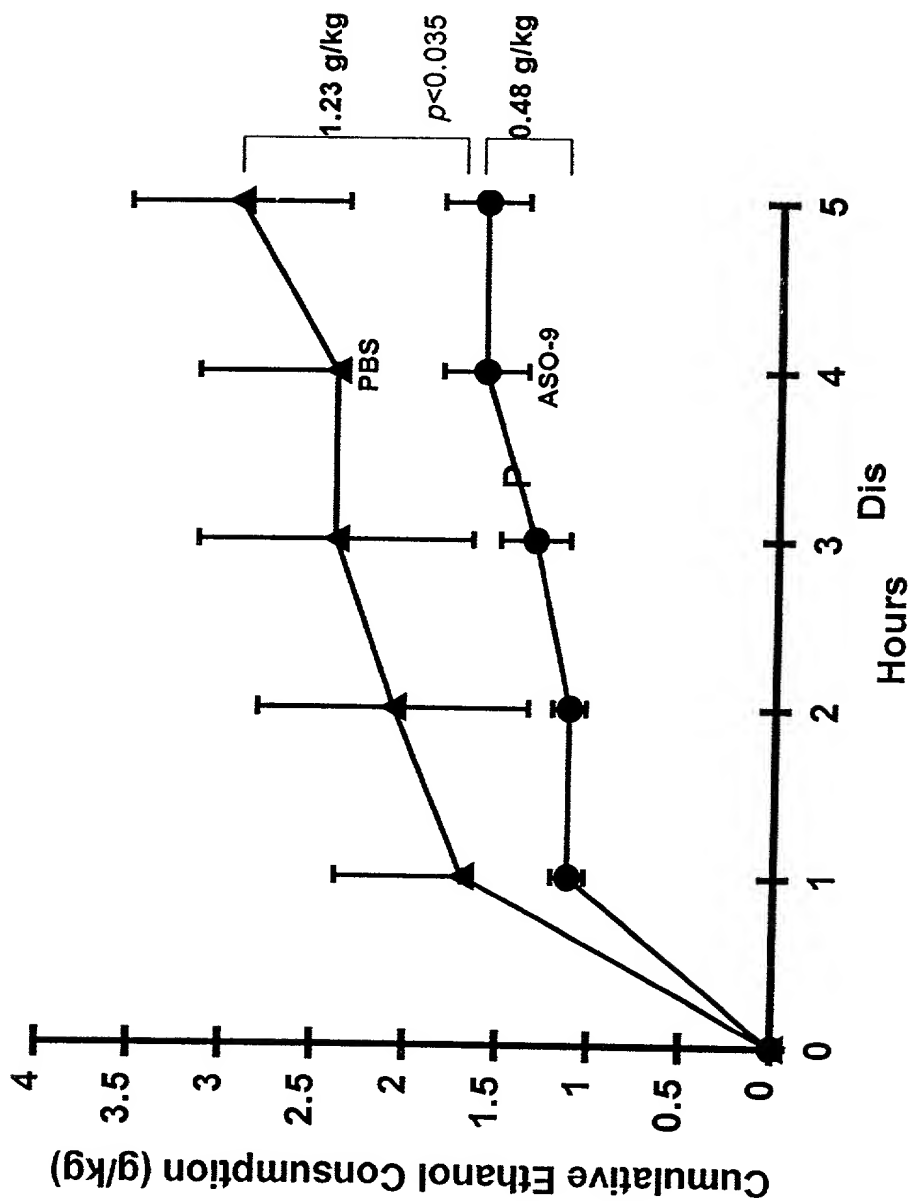


FIGURE 6



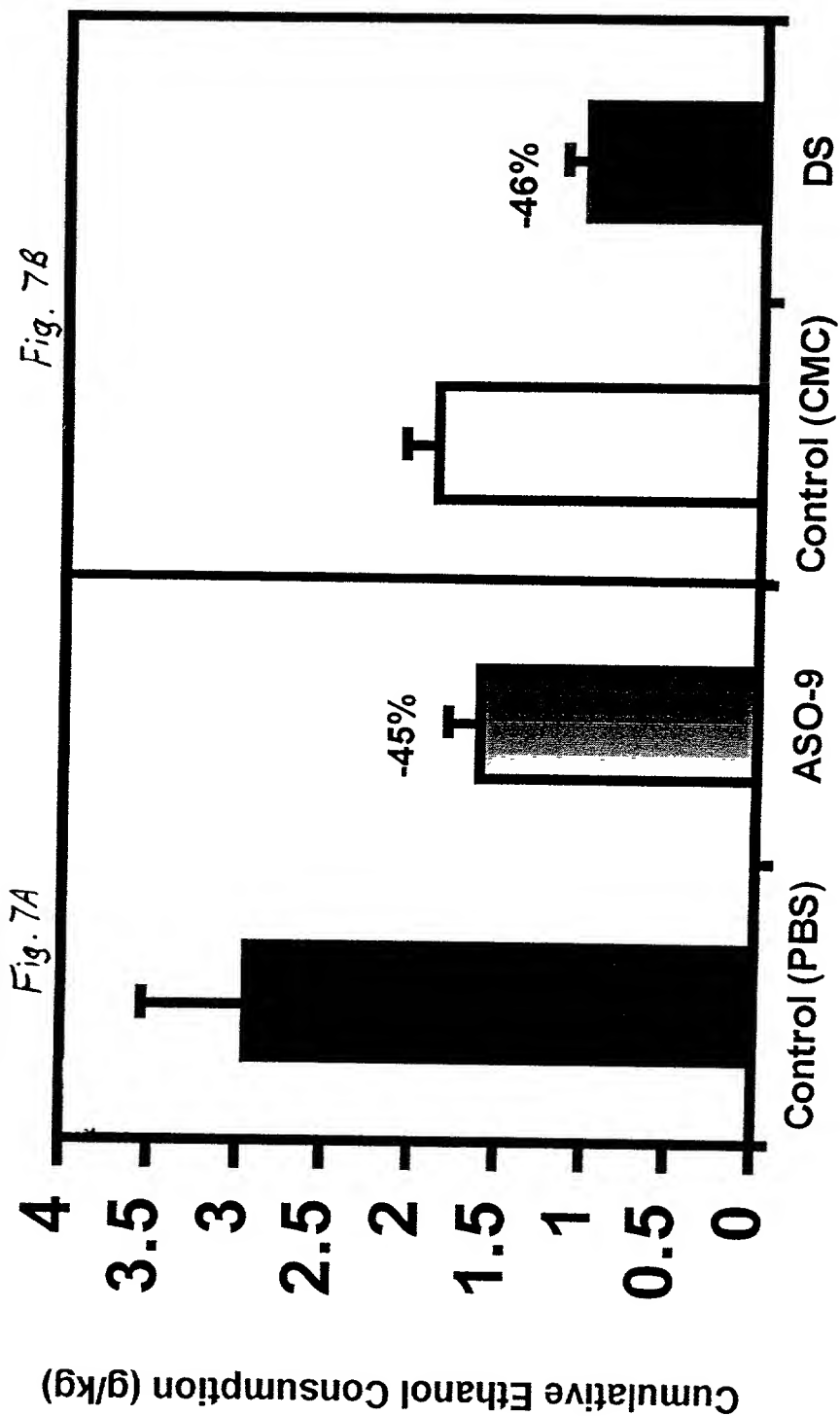


Fig. 8A

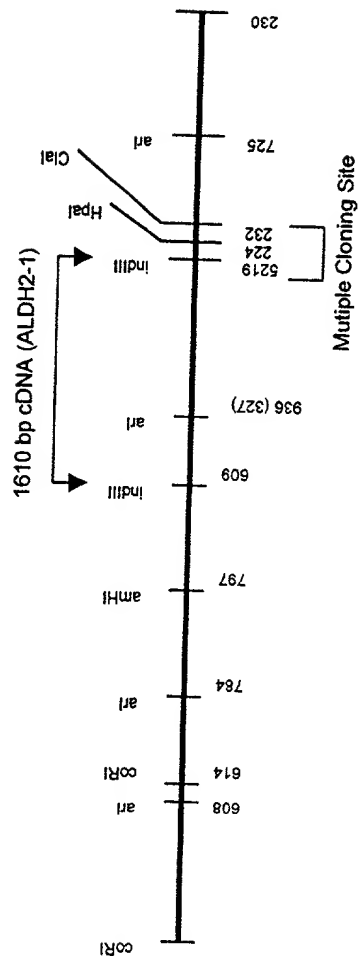


Fig. 8B

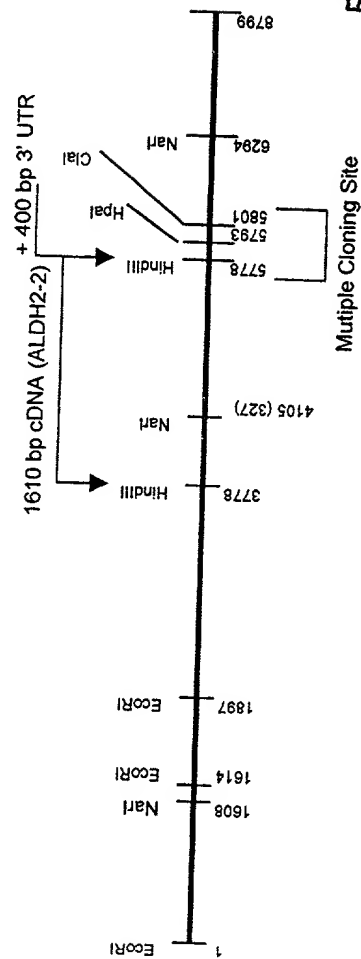


FIGURE 9

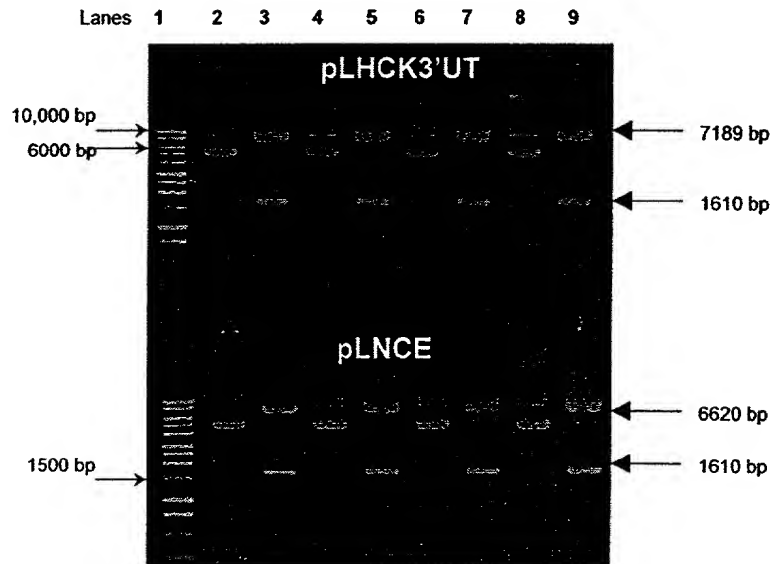
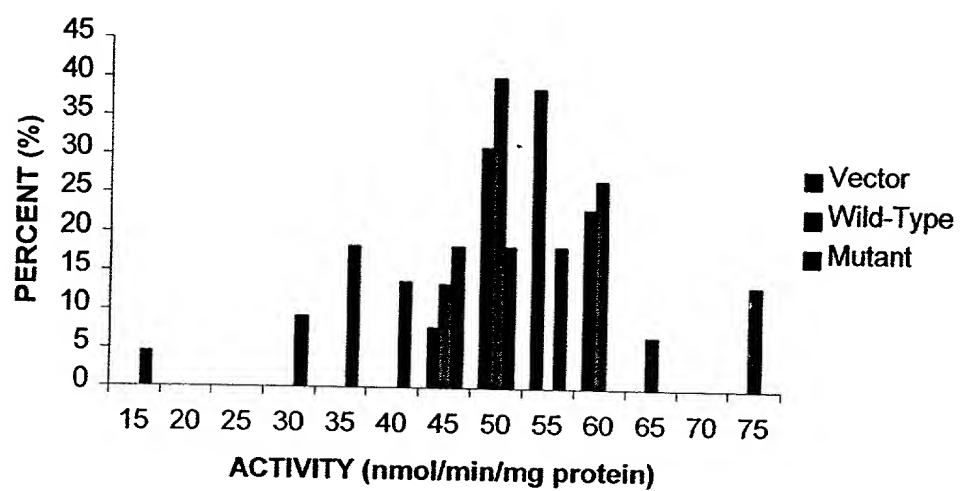


FIGURE 10

H4-II-E-C3 TRANSDUCTION



GCTTTATCTG CTAAGCTCCG CTCAGTTCAG CATGCTGCGC
GCCGCACTCA GCACCGCCCG CCGTGGGCCA CGCCTGAGCC
GCCTGCTGTC CGCCGCCGCC ACCAGCGCGG TGCCAGCCCC
CAACCAGCAG CCCGAGGTCT TCTGCAACCA GATCTTCATT
AACAAATGAGT GGCATGATGC TGTCAGCAAG AAAACATTCC
CCACCGTCAA CCCTTCCACG GGGGAGGTCA TCTGCCAGGT
AGCCGAAGGG AACAAGGAGG ACGTAGACAA GGCAGTGAAG
GCCGCTCAGG CAGCCTTCCA GCTGGGCTCG CCCTGGCGCC
GCATGGATGC ATCTGACAGG GGCCGGCTGT TGTACCGATT
GGCTGATCTC ATCGAACGGG ACCGGACCTA CCTGGCGGCC
TTGGAGACCC TGGACAACGG CAAGCCTTAT GTCATCTCCT
ACCTGGTGGA TTTGGACATG GTTCTGAAAT GTCTCCGCTA
TTATGCTGGC TGGGCTGACA AGTACCACGG GAAAACCATT
CCCATCGATG GCGACTTCTT CAGCTACACC CGCCACGAGC
CTGTGGGCGT GTGTGGACAG ATCATTCGGT GGAAGTTCCC
GCTCCTGATG CAAGCCTGGA AGCTGGGCCC TGCCTTGGCA
ACTGGAAACG TGGTGGTGAT GAAAGTGGCC GAGCAGACAC
CGCTCACTGC ACTCTACGTG GCCAACTTGA TCAAGGAGGC
AGGCTTCCCC CCTGGTGTGG TCAATATTGT TCCTGGATTG
GGCCCTACCG CCGGGGCTGC CATCGCGTCC CACGAGGATG
TGGACAAAGT GGCCTTCACA GGTTCCACTG AGGTTGGTCA
CCTAATCCAG GTTGCCGCCG GGAGCAGCAA TCTCAAGAGA
GTAACCCTGG AACTGGGGGG AAAGAGCCCC AATATCATCA
TGTCAGACGC TGACATGGAC TGGGCTGTGG AACAGGCCCA
CTTTGCCCTG TTCTTCAACC AGGGCCAGTG CTGTTGTGCG
GGCTCCCGGA CCTTCGTGCA GGAGGATGTG TATGATGAAT
TCGTGGAACG CAGTGTGGCC CGGGCCAAGT CTCGGGTGGT
CGGGAACCCT TTCGACAGCC GGACGGAGCA GGGGCCGCAG
GTGGATGAGA CTCAGTTTAA GAAGATCCTG GGCTATATCA
AGTCAGGACA ACAAGAAGGG GCGAAGCTGC TGTGCGGTGG
GGGCGCCGCC GCAGACCGTG GTTACTTCAT CCAGCCCACC
GTGTTCCGAG ACGTCAAAGA TGGCATGACC ATCGCCAAGG
AGGAGATCTT CGGACCAAGT ATGCAGATCC TCAAATTCAA
GACCATTGAG GAGGTTGTGG GGCGAGCCAA TAATTCCAAG
TACGGGCTGG CTGCCGCTGT CTTACAAAG GACCTGGACA
AGGCCAATTA CCTGTCCCAA GCTCTGCAGG CTGGGACTGT
GTGGATCAAC TGCTACGATG TGTTTGGGGC CCAGTCCCCA
TTTGGTGGCT ATAAGATGTC GGGGAGCGGC AGGGAGCTGG
GCGAGTATGG CCTGCAGGCC TACACGGAAG TGAAGACGGT
CACCGTCAAA GTGCCACAGA AGAACTCGTA AAGTGGCGTG

Fig. 11A

Fig. 11B

GCTCTCGGTC CGCTCGCTGT CCGCTAGCCC GCTGCGATGT
TGCGCGCTGC CGCCGCTCGG GCCCGCCTG GCCGCCGCCT
CTTGTCAGCC GCCGCCACCC AGGCCGTGCC TGCCCCCAAC
CAGCAGCCCG AGGTCTTCTG CAACCAGATT TTCATAAACA
ATGAATGGCA CGATGCCGTC AGCAGGAAAA CATTCCCCAC
CGTCAATCCG TCCACTGGAG AGGTCATCTG TCAGGTAGCT
GAAGGGGACA AGGAAGATGT GGACAAGGCA CGTGAAGGCC
GCCCCGGGCG CTTCCAGCTG GGCTCACCTT GGCGCCGCAT
GGACGCATCA CACAGCGGCC GGCTGCTGAA CCGCCTGGCC
GATCTGATCG AGCGGGACCG GACCTACCTG GCGGCCTTGG
AGACCCTGGA CAATGGCAAG CCCTATGTCA TCTCCTACCT
GGTGGATTG GACATGGTCC TCAAATGTCT CCGGTATTAT
GCCGGCTGGG CTGATAAGTA CCACGGGAAA ACCATCCCCA
TTGACGGAGA CTTCTTCAGC TACACACGCC ATGAACCTGT
GGGGGTGTGC GGGCAGATCA TTCCGTGGAA TTTCCCGCTC
CTGATGCAAG CATGGAAGCT GGGCCCAGCC TTGGCAACTG
GAAACGTGGT TGTGATGAAG GTAGCTGAGC AGACACCCCT
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ATCCAGGTTG CTGCTGGGAG CAGCAACCTC AAGAGAGTGA
CCTTGGAGCT GGGGGGGAAG AGCCCCAACA TCATCATGTC
AGATGCCGAT ATGGATTGGG CCGTGGAAACA GGCCCACTTC
GCCCTGTTCT TCAACCAGGG CCAGTGCTGC TGTGCCGGCT
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GATCTTCGGG CCAGTGATGC AGATCCTGAA GTTCAAGACC
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GTACGGGCTG CAGGCATACA CTGAAGTGAA AACTGTCACA
GTCAAAGTGC CTCAGAAGAA CTCATAAGAA TCATGCAAGC

Fig. 12A

Fig. 12B